

Allgemeine Informationen

Katalog-Nr.: 11064-1-AP	GenBank-Zugangsnummer: BC013923	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul , Konzentration: 600 µg/ml von Nanodrop;	GeneID (NCBI): 6657	Empfohlene Verdünnungen: WB 1:500-1:1000 IHC 1:50-1:200 IF 1:50-1:500
Wirt: Kaninchen	Vollständiger Name: SRY (sex determining region Y)-box 2	
Isotyp: IgG	Berechnete Masse: 34 kDa	
Immunogen Katalognummer: AG1530	Beobachtete Masse: 34-40 kDa	

Anwendungen

Geprüfte Anwendungen:

IF, IHC, WB, ELISA

In Publikationen genannte Anwendungen:

FC, IF, IHC, WB

Getestete Reaktivität:

Human, Maus, Ratte, Zebrafisch

Zitierte Arten:

Hausschwein, Human, Maus, Ratte, Ziege

Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB : HEK-293-Zellen,

IHC : humanes Lungenkarzinomgewebe, humanes Gliomgewebe, Mausembryogewebe, Maushirngewebe

IF : Maushirngewebe, humane embryonale Stammzellen, Mausembryogewebe, Maus-Riechepithelgewebe, Zebrafischgewebe

Hintergrundinformationen

Sox2, also known as SRY (sex determining region Y)-box 2, is a transcription factor essential for maintaining self-renewal of undifferentiated ES cells and is one of the key transcription factors used to reprogram mouse and human fibroblasts to a pluripotent state. Sox2 expressed in undifferentiated pluripotent stem cells and germ cells during development. Affinity purified rabbit anti-Sox2 antibody can be used to demonstrate pluripotency of ES and iPS cells. This antibody is a rabbit polyclonal antibody raised against an internal region of human SOX2. a rare undifferentiated cell population that is intermingled with the Bergmann glia of the adult murine cerebellar cortex, expresses the stem cell markers Sox2 and Nestin, and lacks markers of glial or neuronal differentiation. Sox2-expressing neural stem cells in the subgranular zone (SGZ) , a well-known stem cell niche of the adult brain.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Yang Liu	27685621	Cell Death Dis	WB
Yuanxin Zhai	36039673	Biomater Sci	IF
Chenlong Li	31558707	Cell Death Dis	WB

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

***** 20ul-Größen enthalten 0.1% BSA**

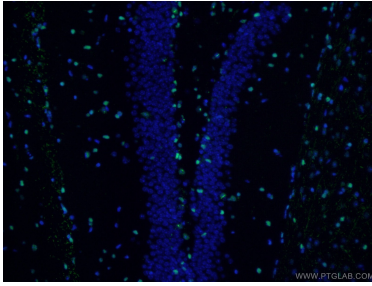
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

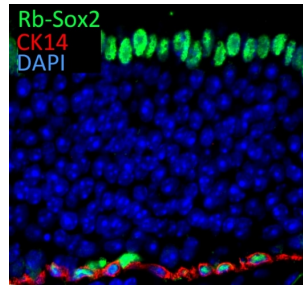
E: proteintech@ptglab.com
 W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

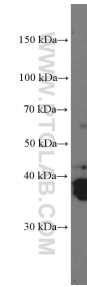
Ausgewählte Validierungsdaten



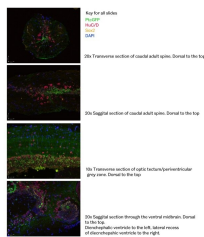
Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using 11064-1-AP (SOX2 antibody) at dilution of 1:50 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



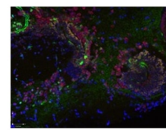
IF result of SOX2 antibody (11064-1-AP, 1:300) with 1% PLP fixed adult mouse olfactory epithelium. (Red:CK14; Green: SOX2; Blue: DAPI). By Brian Lin, Tufts University.



HEK-293 cells were subjected to SDS PAGE followed by western blot with 11064-1-AP (SOX2 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.

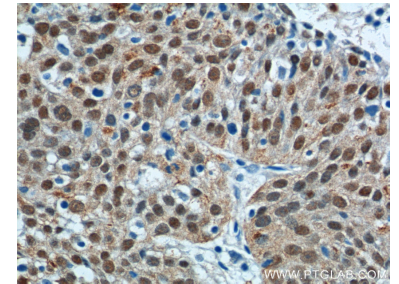


IF result of anti-SOX2 (11064-1-AP) in Zebrafish by Dr. Caroline Parkin.

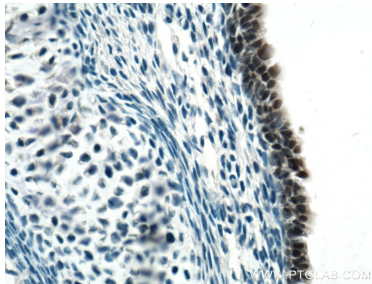


20X Sagittal section through the ventral midbrain. Dorsal to the top. Diencephalic ventricle to left. Lateral recess of diencephalic ventricle to the right.

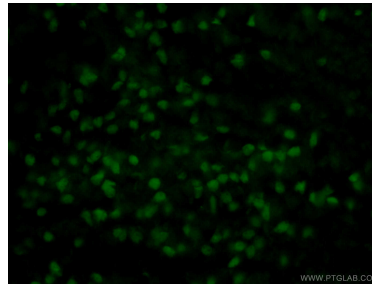
IF result of anti-SOX2 (11064-1-AP) with the midbrain of zebrafish by Dr.Caroline.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 11064-1-AP (SOX2 Antibody) at dilution of 1:200 (under 40x lens).



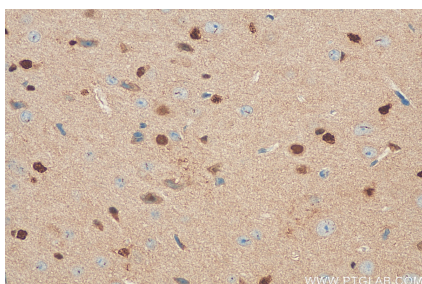
Immunohistochemical analysis of paraffin-embedded mouse embryo tissue slide using 11064-1-AP (SOX2 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse embryo tissue using 11064-1-AP (SOX2 antibody) at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 11064-1-AP (SOX2 antibody) at dilution of 1:600 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 11064-1-AP (SOX2 antibody) at dilution of 1:600 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).